

SEP 2 0 2001

(Use several sheets if necessary)

ATTY. DOCKET NO. SERIAL NO. 7420-061 09/766,044

APPLICANT

MILLER ET AL.

FILING DATE GROUP

January 19, 2001 ____ 3862

| | | | | | January 19, 2001 | _ 슁 | | β62 √\ | | | | |
|--------------------------|----|-----------------|-----------|--------------------------|------------------|----------|---------------|-------------|--|--|--|--|
| | | `, | U. | S. PATENT DOCUM | ENTS | ~ | 3 52 5 | \sim | | | | |
| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | | NAME | CLASS | | FLING DATE | | | | |
| LD | AA | 6,111,408 | 08/29/00 | Blades et al. | · | 324 | 303 | E | | | | |
| 1 | AB | 6,008,646 | 12/28/99 | Griffin et al. | | 324 | 303 | | | | | |
| | AC | 5,923,167 | 07/13/99 | Chang et al. | | 324 | 30 B , | | | | | |
| | AD | 5,914,598 | 06/22/99 | Sezginer et al. | | 324 | 303 | | | | | |
| | AE | 5,767,674 | 06/16/98 | Griffin et al. | | 324 | 303 | | | | | |
| | AF | 5,629,623 | 05/13/97 | Sezginer et al. | | 324 | 303 | | | | | |
| | AG | 5,557,201 | 09/17/96 | Kleinberg <i>et al.</i> | | 324 | 303 | | | | | |
| | АН | 5,486,762 | 01/23/96 | Freedman et al. | | 324 | 303 | | | | | |
| | ΑI | 5,486,761 | 01/23/96 | Sezginer | | 324 | 303 | | | | | |
| | AJ | 5,453,692 | 09/26/95 | Takahashi <i>et al.</i> | | 324 | 318 | ÷ | | | | |
| | AK | 5,432,446 | 07/11/95 | Macinnis et al. | | 324 | 303 | | | | | |
| | AL | 5,397,989 | 03/14/95 | Spraul et al. | | 324 | 321 | | | | | |
| | АМ | 5,376,884 | 12/27/94 | Abdurrahman S | ezginer | 324 | 803 | | | | | |
| | AN | 5,359,324 | 10/25/94 | Clark et al. | | 340 | 854.3 | | | | | |
| | AO | 5,235,285 | 08/10/93 | Clark et al. | | 324 | 342 | | | | | |
| | AP | 5,055,788 | 10/08/91 | Kleinberg <i>et al.</i> | | 324 | 303 | | | | | |
| | AQ | 5,055,787 | 10/08/91 | Kleinberg et al. | | 324 | 303 | | | | | |
| | AR | 5,023,551 | 06/11/91 | Kleinberg <i>et al</i> . | | 324 | 303 | | | | | |
| | AS | 4,994,777 | 02/19/91 | Leupold <i>et al.</i> | | 335 | 302 | | | | | |
| | AT | 4,949,045 | 08/14/90 | Clark et al. | | 324 | 338 | | | | | |
| | AU | 4,933,638 | 06/12/90 | Kenyon <i>et al.</i> | | 324 | 303 | | | | | |
| | AV | 4,899,112 | 02/06/90 | Clark <i>et al.</i> | | 324 | 338 | | | | | |
| | AW | 4,885,540 | 12/05/89 | Snoddy <i>et al.</i> | | 324 | 318 | | | | | |
| | AX | 4,875,013 | 10/17/89 | Murakami <i>et al.</i> | | 324 | 318 | | | | | |
| | AY | 4,829,252 | 05/09/89 | Leon Kaufman | | 324 | 309 | | | | | |
| | AZ | 4,825,163 | 04/25/89 | Yabusaki <i>et al.</i> | | 324 | 318 | | | | | |
| | ВА | 4,714,881 | 12/22/87 | Wyatt W. Givens | <u> </u> | 324 | 303 | | | | | |
| | ВВ | 4,710,713 | 12/01/87 | Taicher et al. | | 32/4 | 303 | | | | | |
| 7 | вс | 4,350,955 | 09/21/82 | Jackson et al. | | 324 | 303 | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | | |
| | | DOCUMENT NUMBER | DATE | | COUNTRY | CLASS | SUBCLASS | TRANSLATION | | | | |
| 4 | | 0.510.005.75 | 0.4/10/5- | | | | 0,000 | YES NO | | | | |
| LD. | BD | 0 649 035 B1 | 04/19/95 | European Paten | t Application | G01V | 3/32 | | | | | |

| | | 12. | 322 | | | | | | | | |
|---|---|---|-----|--------------------------|--|--|--|--|--|--|--|
| | BE | E DE 312626 A1 | | Patent Application | | | | | | | |
| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | |
| SUN S | 387 | Edwards et al., "Effects of Tool Design and Logging Speed on T_2 NMR Log Data," SPWLA 38th Annual Logging Symposium, June 15-18, 1997. | | | | | | | | | |
| 2000 | BG | Jackson <i>et al.</i> , "Western Gas Sands Project Los Alamos NMR Well Logging Tool Development," Los Alamos National Laboratory (October 1981 - September 1982) pp. 1-28. | | | | | | | | | |
| PARK | OFFISH | Jasper A. Jackson, "Nuclear Magnetic Resonance Well Logging," The Log Analyst, September-October, 1984, pp. 16-30. | | | | | | | | | |
| 49 | ВІ | Kleinberg et al., "Novel NMR Apparatus for Investigating an External Sample," Journal of Magnetic Resonance, (1992) pp. 466-485. | | | | | | | | | |
| 4) | BJ | Prammer et al., "Theory and Operation of a New, Multi-Volume, NMR Logging System," SPWLA 40th Annual Logging Symposium, May 30-June 3, 1999. | | | | | | | | | |
| EXAMINE | R | DONOVAN | | DATE CONSIDERED 62-64-03 | | | | | | | |
| | *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | | | | |

SEP 25 2001
TC 2800 MAIL ROOM